



IFW16

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/10/001,407A

TIME: 11:18:38

Input Set : A:\GP117.SeqList.txt

Output Set: N:\CRF4\08272004\J001407A.raw

```

4 <110> APPLICANT: Yang, Yeasing
5      Burrell, Terrie
7 <120> TITLE OF INVENTION: Compositions and Methods for Detecting
8      Human Immunodeficiency Virus 2 (HIV-2)
11 <130> FILE REFERENCE: GP117-03.UT
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/001,407A
C--> 13 <141> CURRENT FILING DATE: 2001-10-22
13 <150> PRIOR APPLICATION NUMBER: 60/242,620
14 <151> PRIOR FILING DATE: 2000-10-23
16 <150> PRIOR APPLICATION NUMBER: 60/280,058
17 <151> PRIOR FILING DATE: 2001-03-30
19 <160> NUMBER OF SEQ ID NOS: 34
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 40
25 <212> TYPE: DNA
26 <213> ORGANISM: HIV-2
28 <400> SEQUENCE: 1
29  gtgtgtgttc ccattctctcc tagtcgccgc ctggtcattc      40
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 19
33 <212> TYPE: DNA
34 <213> ORGANISM: HIV-2
36 <400> SEQUENCE: 2
37  gtgtgtgttc ccattctctc      19
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 20
41 <212> TYPE: DNA
42 <213> ORGANISM: HIV-2
44 <400> SEQUENCE: 3
45  tgtgttccca tctctctctag      20
47 <210> SEQ ID NO: 4
48 <211> LENGTH: 21
49 <212> TYPE: DNA
50 <213> ORGANISM: HIV-2
52 <400> SEQUENCE: 4
53  gttcccatct ctcttagtcg c      21
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: HIV-2
60 <400> SEQUENCE: 5
61  tcttagtcgc cgctggtca      20

```



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```

63 <210> SEQ ID NO: 6
64 <211> LENGTH: 19
65 <212> TYPE: DNA
66 <213> ORGANISM: HIV-2
68 <400> SEQUENCE: 6
69 cctagtcgcc gcctggtca 19
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: HIV-2
76 <400> SEQUENCE: 7
77 tagtcgccgc ctggtcattc 20
79 <210> SEQ ID NO: 8
80 <211> LENGTH: 34
81 <212> TYPE: DNA
82 <213> ORGANISM: HIV-2
84 <400> SEQUENCE: 8
85 aaaatcccta gcaggttggc gcccgaacag ggac 34
87 <210> SEQ ID NO: 9
88 <211> LENGTH: 34
89 <212> TYPE: DNA
90 <213> ORGANISM: HIV-2
92 <400> SEQUENCE: 9
93 gtccctgttc gggcgccaac ctgctagggga tttt 34
95 <210> SEQ ID NO: 10
96 <211> LENGTH: 25
97 <212> TYPE: DNA
98 <213> ORGANISM: HIV-2
100 <400> SEQUENCE: 10
101 cgggcgccaa cctgctaggg atttt 25
103 <210> SEQ ID NO: 11
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: HIV-2
108 <400> SEQUENCE: 11
109 gtccctgttc gggcgcca 18
111 <210> SEQ ID NO: 12
112 <211> LENGTH: 23
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
118 two nucleotides and mutation at a third position
120 <400> SEQUENCE: 12
121 cgggcgccac tgctagagat ttt 23
123 <210> SEQ ID NO: 13
124 <211> LENGTH: 24
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence

```

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```

128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
130     one nucleotide
132 <400> SEQUENCE: 13
133     cgggcgccac ctgctagga tttt                                24
135 <210> SEQ ID NO: 14
136 <211> LENGTH: 25
137 <212> TYPE: DNA
138 <213> ORGANISM: HIV-2
140 <400> SEQUENCE: 14
141     ccctgttcgg gcgccaacct gctag                                25
143 <210> SEQ ID NO: 15
144 <211> LENGTH: 52
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
150     appended at the 5' end of an HIV-2 complementary
151     primer sequence
153 <400> SEQUENCE: 15
154     aatttaatac gactcactat agggagacgg gcgccaacct gctagggatt tt    52
156 <210> SEQ ID NO: 16
157 <211> LENGTH: 45
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
163     appended at the 5' end of an HIV-2 complementary
164     primer sequence
166 <400> SEQUENCE: 16
167     aatttaatac gactcactat agggagagtc cctgttcggg cgcca            45
169 <210> SEQ ID NO: 17
170 <211> LENGTH: 50
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
176     appended at the 5' end of the sequence given as
177     SEQ ID NO:12
179 <400> SEQUENCE: 17
180     aatttaatac gactcactat agggagacgg gcgccactgc tagagatttt      50
182 <210> SEQ ID NO: 18
183 <211> LENGTH: 57
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
189     appended at the 5' end of the sequence given as
190     SEQ ID NO:13

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192 <400> SEQUENCE: 18
193 gaaattaata cgactcacta tagggagacc acacgggcgc cacctgctag ggatttt      57
195 <210> SEQ ID NO: 19
196 <211> LENGTH: 58
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
202     appended at the 5' end of an HIV-2 complementary
203     primer sequence
205 <400> SEQUENCE: 19
206 gaaattaata cgactcacta tagggagacc acaccctgtt cgggcgccaa cctgctag      58
208 <210> SEQ ID NO: 20
209 <211> LENGTH: 22
210 <212> TYPE: DNA
211 <213> ORGANISM: HIV-2
213 <400> SEQUENCE: 20
214 cctgggtctgt taggaccctt ct      22
216 <210> SEQ ID NO: 21
217 <211> LENGTH: 14
218 <212> TYPE: DNA
219 <213> ORGANISM: HIV-2
221 <400> SEQUENCE: 21
222 gtctgttagg accc      14
224 <210> SEQ ID NO: 22
225 <211> LENGTH: 18
226 <212> TYPE: DNA
227 <213> ORGANISM: HIV-2
229 <400> SEQUENCE: 22
230 cctgggtctgt taggacc      18
232 <210> SEQ ID NO: 23
233 <211> LENGTH: 18
234 <212> TYPE: DNA
235 <213> ORGANISM: HIV-2
237 <400> SEQUENCE: 23
238 ctgggtctgtt aggaccct      18
240 <210> SEQ ID NO: 24
241 <211> LENGTH: 18
242 <212> TYPE: DNA
243 <213> ORGANISM: HIV-2
245 <400> SEQUENCE: 24
246 tgggtctgtta ggaccctt      18
248 <210> SEQ ID NO: 25
249 <211> LENGTH: 18
250 <212> TYPE: DNA
251 <213> ORGANISM: HIV-2
253 <400> SEQUENCE: 25
254 ggtctgttag gacccttc      18
256 <210> SEQ ID NO: 26

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```

257 <211> LENGTH: 16
258 <212> TYPE: DNA
259 <213> ORGANISM: HIV-2
261 <400> SEQUENCE: 26
262 gtctgttagg accctt 16
264 <210> SEQ ID NO: 27
265 <211> LENGTH: 18
266 <212> TYPE: DNA
267 <213> ORGANISM: HIV-2
269 <400> SEQUENCE: 27
270 gtctgttagg acccttct 18
272 <210> SEQ ID NO: 28
273 <211> LENGTH: 27
274 <212> TYPE: DNA
275 <213> ORGANISM: HIV-2
277 <400> SEQUENCE: 28
278 aatttaatac gactcactat agggaga 27
280 <210> SEQ ID NO: 29
281 <211> LENGTH: 33
282 <212> TYPE: DNA
283 <213> ORGANISM: HIV-2
285 <400> SEQUENCE: 29
286 gaaattaata cgactcacta tagggagacc aca 33
288 <210> SEQ ID NO: 30
289 <211> LENGTH: 30
290 <212> TYPE: RNA
291 <213> ORGANISM: HIV-2
293 <400> SEQUENCE: 30
294 gaaggguccu aacagaccag ggucuuguua 30
296 <210> SEQ ID NO: 31
297 <211> LENGTH: 53
298 <212> TYPE: DNA
299 <213> ORGANISM: HIV-2
301 <400> SEQUENCE: 31
302 ttcttgccgc cttactgcc tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa 53
304 <210> SEQ ID NO: 32
305 <211> LENGTH: 51
306 <212> TYPE: DNA
307 <213> ORGANISM: HIV-2
309 <400> SEQUENCE: 32
310 ttcttgccgc cttactggt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 51
312 <210> SEQ ID NO: 33
313 <211> LENGTH: 16
314 <212> TYPE: DNA
315 <213> ORGANISM: HIV-2
317 <400> SEQUENCE: 33
318 aaagggtcct aacaga 16
320 <210> SEQ ID NO: 34
321 <211> LENGTH: 9

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/001,407A

DATE: 08/27/2004

TIME: 11:18:39

Input Set : A:\GP117.SeqList.txt

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date